CONTENTS OF VOLUME 102

NO. 1, JANUARY 1992

1 **This Month in GASTROENTEROLOGY**

AMERICAN GASTROENTEROLOGICAL ASSOCIATION

3 **The Public Policy Plan of the American Gastroenterological Association**
J.W. FRESTON

7 **Editorial: The Evolution of Public Policy in the American Gastroenterological Association**
S. COHEN

ALIMENTARY TRACT

9 **Effect of CO_2 on Rat Colonic Na Absorption: Studies With Nystatin**
A.N. CHARNEY AND R.W. EGNOR

18 **Exacerbation of Experimental Colitis by Nonsteroidal Anti-Inflammatory Drugs Is Not Related to Elevated Leukotriene B_4 Synthesis**
J.L. WALLACE, C.M. KEENAN, D. GALE, AND T.S. SHOUPE

28 **Cholecystokinin Release From Isolated Canine Epithelial Cells in Short-Term Culture**
I. KOOP AND A.M.J. BUCHAN

35 **Human Colonic Aspirates Containing Immunoglobulin A Antibody to *Clostridium difficile* Toxin A Inhibit Toxin A–Receptor Binding**
C.P. KELLY, C. POTHOULAKIS, J. ORELLANA, AND J.T. LAMONT

41 **Symptoms and Risk Factors of *Helicobacter pylori* Infection in a Cohort of Epidemiologists**
J. PARSONNET, M.J. BLASER, G.I. PEREZ-PEREZ, N. HARGRETT-BEAN, AND R.V. TAUXE

47 **Vasoactive Intestinal Polypeptide Gene Expression in the Developing Human Gastrointestinal Tract**
P. FACER, A.E. BISHOP, G. MOSCOSO, G. TERENGHI, Y.F. LIU, R.H. GOODMAN, S. LEGON, AND J.M. POLAK

56 **Ultrastructure of Interstitial Cells of Cajal Associated With Deep Muscular Plexus of Human Small Intestine**
J.J. RUMESSEN, H.B. MIKKELSEN, AND L. THUNEBERG

69 **Spontaneous Cytotoxicity of Human Intraepithelial Lymphocytes Against Epithelial Cell Tumors**
J. TAUNK, A.I. ROBERTS, AND E.C. EBERT

76 **Isolation of a Neuropeptide-Degrading Carboxypeptidase From the Human Stomach**
N.W. BUNNETT, S.M. GOLDSTEIN, AND P. NAKAZATO

88 **Tachykinin Antagonists Inhibit Nerve-Mediated Contractions in the Circular Muscle of the Human Ileum**
C.A. MAGGI, S. GIULIANI, R. PATACCHINI, P. SANTICIOLI, E. THEODORSSON, G. BARBANTI, D. TURINI, AND A. GIACHETTI

97 **Effect of Motilin on Gastric Emptying in Patients With Diabetic Gastroparesis**
T.L. PEETERS, E. MULS, J. JANSSENS, J.-L. URBAIN, M. BEX, E. VAN CUTSEM, I. DEPOORTERE, M. DE ROO, G. VANTRAPPEN, AND R. BOUILLON

102 **Transit Through the Proximal Colon Influences Stool Weight in the Irritable Bowel Syndrome**
M. VASSALLO, M. CAMILLERI, S.F. PHILLIPS, M.L. BROWN, N.J. CHAPMAN, AND G.M. THOMFORDE

109 **Two Doses of Omeprazole Versus Placebo in Symptomatic Erosive Esophagitis: The U.S. Multicenter Study**
S.J. SONTAG, B.I. HIRSCHOWITZ, S. HOLT, M.G. ROBINSON, J. BEHAR, M.M. BERENSON, A. MCCULLOUGH, A.F. IPPOLITI, J.E. RICHTER, G. AHTARIDIS, R.W. MCCALLUM, D.J. PAMBIANCO, R.Z. VLAHCEVIC, D.A. JOHNSON, M.J. COLLEN, D.T. LYON, T.J. HUMPHRIES, A. CAGLIOLA, AND R.S. BERMAN

119 **Collagens Facilitate Epithelial Migration in Restitution of Native Guinea Pig Intestinal Epithelium**
R. MOORE, J. MADRI, S. CARLSON, AND J.L. MADARA

131 **Cholecystokinin Receptor Antagonist MK-329 Blocks Intestinal Fat-Induced Inhibition of Meal-Stimulated Gastric Acid Secretion**
K.C.K. LLOYD, V. MAXWELL, T.O.G. KOVACS, J. MILLER, AND J.H. WALSH

139 **Endoscopic Therapy for Acute Nonvariceal Upper Gastrointestinal Hemorrhage: A Meta-Analysis**
D.J. COOK, G.H. GUYATT, B.J. SALENA, AND L.A. LAINE

149 **Leukotriene D_4 Participates in Colonic Transit Disturbances Induced by Intracolonic Administration of Trinitrobenzene Sulfonic Acid in Rats**
L. PONS, M.-T. DROY-LEFAIX, AND L. BUENO

157 **Relationship Between Mast Cell Degranulation and Jejunal Myoelectric Alterations in Intestinal Anaphylaxis in Rats**
M.J. FARGEAS, V. THEODOUROU, J. FIORAMONTI, AND L. BUENO

163 **Transmucosal Penetration of Bismuth Particles in the Human Stomach**
C.U. NWOKOLO, J.F. LEWIN, M. HUDSON, AND R.E. POUNDER

168 **Endogenous Nitric Oxide as a Mediator of Gastric Mucosal Vasodilatation During Acid Secretion**
J.M. PIQUE, J.V. ESPLUGUES, AND B.J.R. WHITTLE

175 **Role of Affect and Personality in Gastric Acid Secretion and Serum Gastrin Concentration**
M. FELDMAN, P. WALKER, M. GOLDSCHMIEDT, AND D. CANNON

LIVER, PANCREAS, AND BILIARY TRACT

181 **Role of Platelet-Activating Factor in Hemodynamic Derangements in an Acute Rodent Pancreatic Model**
G. AIS, A. LÓPEZ-FARRE, D.N. GOMEZ-GARRE, C. NOVO, J.M. ROMEO, P. BRAQUET, AND J.M. LÓPEZ-NOVOA

188 **Staging of Pancreatic and Ampullary Carcinoma by Endoscopic Ultrasonography**
T. RÖSCH, C. BRAIG, T. GAIN, S. FEUERBACH, J.R. SIEWERT, V. SCHUSDZIARRA, AND M. CLASSEN

200 **Accelerated Improvement of Alcoholic Liver Disease With Enteral Nutrition**
P.J. KEARNS, H. YOUNG, G. GARCIA, T. BLASCHKE, G. O'HANLON, M. RINKI, K. SUCHER, AND P. GREGORY

206 **Endoscopic Variceal Sclerosis Does Not Increase the Risk of Portal Venous Thrombosis**
S. KAWASAKI, J.M. HENDERSON, S.P. RIEPE, W.S. BROOKS, AND G. HERTZLER

216 **Pancreatic Proteases and Intestinal Mucosal Injury After Ischemia and Reperfusion in the Pig**
A. MONTGOMERY, A. BORGSTRÖM, AND U. HAGLUND

223 **Mechanism of Insulin Resistance in CCl_4-Induced Cirrhosis of Rats**
A. MEYER-ALBER, H. HARTMANN, F. STÜMPEL, AND W. CREUTZFELDT

230 **Ki-*ras* Oncogene Activation in Preinvasive Pancreatic Cancer**
N.R. LEMOINE, S. JAIN, C.M. HUGHES, S.L. STADDON, B. MAILLET, P.A. HALL, AND G. KLÖPPEL

237 **Laminin Binding in Membranes of a Rat Pancreatic Acinar Cell Line Are Targets for Glucocorticoids**
A. STALLMACH, S. ROSEWICZ, A. KAISER, H. MATTHES, D. SCHUPPAN, AND E.O. RIECKEN

248 **Oral Administration of Clonidine in Patients With Alcoholic Cirrhosis: Hemodynamic and Liver Function Effects**
A. ALBILLOS, R. BAÑARES, C. BARRIOS, G. CLEMENTE, I. ROSSI, P. ESCARTIN, AND J. BOSCH

255 **Intrahepatic Up-Regulated Expression of Extracellular Matrix Protein Receptors in Chronic Active Hepatitis Type B**
C. GARCÍA-MONZÓN, R. MORENO-OTERO, L. GARCÍA-BUEY, A. GARCÍA-SÁNCHEZ, M.R. CAMPANERO, AND F. SÁNCHEZ-MADRID

263 **Immunohistochemical Demonstration of Galaninlike Immunoreactive Nerves in the Human Pancreas**
T. SHIMOSEGAWA, S. MORIIZUMI, M. KOIZUMI, J. KASHIMURA, N. YANAIHARA, AND T. TOYOTA

272 **The Role of Endogenous Prostaglandins in Hormone-Stimulated Pancreatic Exocrine Secretion**
R.D. BEAUCHAMP, D.G. MACLELLAN, J.R. UPP, JR., W.H. NEALON, C.M. TOWNSEND, JR., AND J.C. THOMPSON

280 **Renal Insensitivity to Atrial Natriuretic Peptide in Patients With Cirrhosis and Ascites**
P. GINÈS, L. TITÓ, V. ARROYO, J. LLACH, J.M. SALMERÓN, A. GINÈS, W. JIMÉNEZ, S. BADALAMENTI, F. RIVERA, AND J. RODÉS

287 **Ultrastructural Localization of Somatostatin- and Substance P-Immunoreactive Nerve Fibers in the Feline Liver**
E. FEHÉR, M. FODOR, AND J. FEHÉR

295 **Antral Control of Gallbladder Cyclic Motor Activity in the Fasting State**
K. URA, S.K. SARNA, AND R.E. CONDON

303 **Systemic Prostacyclin in Cirrhotic Patients**
C. GUARNER, G. SORIANO, J. SUCH, M. TEIXIDÓ, I. RAMIS, O. BULBENA, J. ROSELLÓ, F. GUARNER, E. GELPI, J. BALANZÓ, AND F. VILARDELL

310 **Prediction of Survival of Patients With Primary Biliary Cirrhosis**
F.M. KLION, T.L. FABRY, M. PALMER, AND F. SCHAFFNER

BRIEF REPORTS

314 **Prospective Evaluation of Immediate Versus Delayed Refeeding and Prognostic Value of Endoscopy in Patients With Upper Gastrointestinal Hemorrhage**
L. LAINE, H. COHEN, J. BRODHEAD, D. CANTOR, F. GARCIA, AND M. MOSQUERA

317 **Distal Colonic Hyperplastic Polyps Do Not Predict Proximal Adenomas in Asymptomatic Average-Risk Subjects**
D.K. REX, J.J. SMITH, T.M. ULBRIGHT, AND G.A. LEHMAN

CLINICAL CHALLENGES

320 **Endoscopy-Negative Upper Gastrointestinal Bleeding in a Patient With Chronic Pancreatitis**
C.E. FORSMARK, C.M. WILCOX, AND J.H. GRENDELL

SPECIAL REPORTS AND REVIEWS

330 **Gluten, Major Histocompatibility Complex, and the Small Intestine**
M.N. MARSH

355 **Grading and Classification of Chronic Gastritis: One American Response to the Sydney System**
P. CORREA AND J.H. YARDLEY

EDITORIALS

360 **Histological Classification of Chronic Gastritis: An Iconoclastic View**
C.E. RUBIN

SELECTED SUMMARIES

362 **Sulfasalazine vs. Steroids in Crohn's Disease: David vs. Goliath?**

362 **Laparoscopic Cholecystectomy: A New Procedure in Need of Further Study**

364 **Short-Chain Fatty Acids and the Colon**

365 **Gastrin Is a Potent Stimulant of the Parietal Cell—Maybe**

367 **Prophylactic Sclerotherapy for Esophageal Varices**

370 **BOOK REVIEWS**

CORRESPONDENCE

372 **Fasting and Postprandial Residual Gallbladder Volumes**

373 **Momentum Omentum!**

374 **Presymtomatic Diagnosis of Polyposis Coli by DNA**

375 **Antibiotic Treatment of Spontaneous Bacterial Peritonitis: Don't Forget Enterococci!**

376 **Mucosal Sensitivity to Acid in Nonulcer Dyspepsia**

377 **MHC Class II Antigens on the Epithelial Cells of the Human Gastrointestinal Tract**

378 **Careful Observations and Flawed Conclusions**

379 **Alcohol and Renal Phosphate Excretion**

379 **Cytomegalovirus Infection of the Appendix in AIDS**

381 **NOTICES**

NO. 2, FEBRUARY 1992

385 **This Month in GASTROENTEROLOGY**

ALIMENTARY TRACT

387 **Impact of a Quality Assurance Program on Gastrointestinal Endoscopy**
P.E. Sapienza, G.M. Levine, S. Pomerantz, J.H. Davidson, J. Weinryb, and J. Glassman

394 **Effects of 2-Camphanone on Canine Portal Vein Blood Flow and Rat Smooth Muscle**
J. Xie, S.S. Greenberg, and G. Longenecker

403 **The Role of Gastric Secretagogues in Regulating Gastric Histamine Release In Vivo**
J.G. Gerber and N.A. Payne

409 **Involvement of the L-Arginine–Nitric Oxide Pathway in Internal Anal Sphincter Relaxation**
A. Tøttrup, E.B. Glavind, and D. Svane

416 ***Clostridium difficile* Toxin B Disrupts the Barrier Function of T_{84} Monolayers**
G. Hecht, A. Koutsouris, C. Pothoulakis, J.T. LaMont, and J.L. Madara

424 **Lewis Antigen Alterations in Gastric Cancer Precursors**
J. Torrado, P. Correa, B. Ruiz, P. Bernardi, D. Zavala, and J. Bara

431 **Cellular Localization of Procollagen Gene Transcripts in Inflammatory Bowel Diseases**
H. Matthes, H. Herbst, D. Schuppan, A. Stallmach, S. Milani, H. Stein, and E.-O. Riecken

443 **Transport of Glucose Polymer–Derived Glucose by Rabbit Jejunum**
L.A. Heitlinger, H.R. Sloan, D.R. DeVore, P.-C. Lee, E. Lebenthal, and M.E. Duffey

448 **Placebo-Controlled Trial of Ulcerative Colitis With Oral 4-Aminosalicylic Acid**
A.L. Ginsberg, N.D. Davis, and L.E. Nochomovitz

453 **Acute Noncardiac Chest Pain in a Coronary Care Unit**
H.G.T. Lam, W. Dekker, G. Kan, M. Breedijk, and A.J.P.M. Smout

461 **Peptide-Containing Neurons in Different Regions of the Submucous Plexus of Human Sigmoid Colon**
R. Crowe, M.A. Kamm, G. Burnstock, and J.E. Lennard-Jones

468 **Acute Exposure of Small Intestine to Ethanol Induces Mucosal Leakage and Prostaglandin E_2 Synthesis**
B. Lavö, J.F. Colombel, L. Knutsson, and R. Hällgren

474 **Autonomous Proliferation of Colon Cancer Cells That Coexpress Transforming Growth Factor α and Its Receptor**
W.E. Karnes, Jr., J.H. Walsh, S.V. Wu, R.S. Kim, M.G. Martin, H.C. Wong, J. Mendelsohn, J.-G. Park, and F. Cuttitta

486 **Influence of Meal Composition on Canine Jejunal Water and Electrolyte Absorption**
J.A. Bastidas, M.J. Zinner, J.A. Bastidas, M.S. Orandle, and C.J. Yeo

493 **Factors Influencing the Eradication of *Helicobacter pylori* With Triple Therapy**
D.Y. Graham, G.M. Lew, H.M. Malaty, D.G. Evans, D.J. Evans, Jr., P.D. Klein, L.C. Alpert, and R.M. Genta

497 **Ion Transport in the Experimental Short Bowel Syndrome of the Rat**
J.-D. Schulzke, M. Fromm, C.J. Bentzel, M. Zeitz, H. Menge, and E.-O. Riecken

505 **Pattern of Gastrointestinal and Somatic Symptoms Across the Menstrual Cycle**
M.M. Heitkemper and M. Jarrett

514 **Evidence for Continuous Stimulation of Interleukin-6 Production in Crohn's Disease**
V. Gross, T. Andus, I. Caesar, M. Roth, and J. Schölmerich

520 **Comparison of Triplicated (S) and Quadruplicated (W) Pelvic Ileal Reservoirs**
P.M. Sagar, P.J. Holdsworth, P.G.R. Godwin, P. Quirke, A.N. Smith, and D. Johnston

529 **Enhanced Mucosal Cytokine Production in Inflammatory Bowel Disease**
W.E. Pullman, S. Elsbury, M. Kobayashi, A.J. Hapel, and W.F. Doe

LIVER, PANCREAS, AND BILIARY TRACT

538 **Precore Mutant Hepatitis B Virus Infection and Liver Disease**
N.V. Naoumov, R. Schneider, T. Grötzinger, M.C. Jung, S. Miska, G.R. Pape, and H. Will

544 **A Controlled Trial of Naloxone Infusions for the Pruritus of Chronic Cholestasis**
N.V. Bergasa, T.L. Talbot, D.W. Alling, J.M. Schmitt, E.C. Walker, B.L. Baker, J.C. Korenman, Y. Park, J.H. Hoofnagle, and E.A. Jones

550 **Soybean Trypsin Inhibitor and Cerulein Accelerate Recovery of Cerulein-Induced Pancreatitis in Rats**
G. Jurkowska, G. Grondin, S. Massé, and J. Morisset

563 **Sugar Absorption by the Biliary Ductular Epithelium of the Rat: Evidence for Two Transport Systems**
M. Lira, C.D. Schteingart, J.H. Steinbach, K. Lambert, J.A. McRoberts, and A.F. Hofmann

572 **Hepatocyte Membrane Stabilization by Prostaglandins E_1 and E_2: Favorable Effects on Rat Liver Injury**
N. Masaki, Y. Ohta, H. Shirataki, I. Ogata, S. Hayashi, S. Yamada, K. Hirata, S. Nagoshi, S. Mochida, T. Tomiya, A. Ohno, Y. Ohta, and K. Fujiwara

577 **Decreased Glucuronidation and Increased Bioactivation of Acetaminophen in Gilbert's Syndrome**
S.M.F. de Morais, J.P. Uetrecht, and P.G. Wells

587 **Efficacy of Prophylactic Sclerotherapy for Prevention of a First Variceal Hemorrhage**
J. Van Ruiswyk and J.C. Byrd

598 **Stimulatory and Inhibitory Effects of Bile Salts on Rat Pancreatic Secretion**
K. MIYASAKA, A. FUNAKOSHI, F. SHIKADO, AND K. KITANI

605 **Hepatocellular Transplantation Into the Lung for Temporary Support of Acute Liver Failure in the Rat**
P. SANDBICHLER, P. THEN, W. VOGEL, R. ERHART, O. DIETZE, H. PHILADELPHY, L. FRIDRICH, G. KLIMA, AND R. MARGREITER

610 **Extracorporeal Shock-Wave Lithotripsy of Pancreatic Calculi**
M. DELHAYE, A. VANDERMEEREN, M. BAIZE, AND M. CREMER

621 **Mediation of Trypsin Inhibitor–Induced Pancreatic Hypersecretion by Secretin and Cholecystokinin in Rats**
S.-I. WATANABE, T. TAKEUCHI, AND W.Y. CHEY

629 **Complications of Percutaneous Liver Biopsy in Children**
M.B. COHEN, H.H. A-KADER, D. LAMBERS, AND J.E. HEUBI

633 **Opposite Effects of Cholestyramine and Loxiglumide on Gallbladder Dynamics in Humans**
G. PALASCIANO, P. PORTINCASA, A. BELFIORE, G. BALDASSARRE, AND O. ALBANO

640 **Pain in Extracorporeal Shock-Wave Lithotripsy: A Comparison of Different Lithotripters in Volunteers**
H.T. SCHNEIDER, T. HUMMEL, P. JANOWITZ, R. OTT, H. NEUHAUS, W. SWOBODNIK, E. PAULI, G. KOBAL, AND C. ELL

647 **Cholesterol Malabsorption in Pancreatic Insufficiency: Effects of Enzyme Substitution**
M. VUORISTO, H. VÄÄNÄNEN, AND T.A. MIETTINEN

656 **Persistence of a Hyperdynamic Circulation in Cirrhotic Rats Following Removal of the Sympathetic Nervous System**
A. ABERGEL, A. BRAILLON, C. GAUDIN, G. KLEBER, AND D. LEBREC

661 **Appearance of Exogenous Epidermal Growth Factor in Liver, Bile, and Intestinal Lumen of Suckling Rats**
W. KONG, O. KOLDOVSKÝ, AND R.K. RAO

CASE REPORTS

668 **Squamous Papilloma of the Esophagus Associated With the Human Papillomavirus**
E.J. POLITOSKE

674 **A Familial Form of Incomplete Septal Cirrhosis**
J.L. BARNETT, H.D. APPELMAN, AND R.H. MOSELEY

BRIEF REPORTS

679 **N^g-Nitro-L-Arginine Reduces Nonadrenergic, Noncholinergic Relaxations of Human Gut**
D.E. BURLEIGH

684 **Familial Visceral Neuropathy With Neuronal Intranuclear Inclusions: Diagnosis by Rectal Biopsy**
J.L. BARNETT, W.M. MCDONNELL, H.D. APPELMAN, AND W.O. DOBBINS

692 **Detection of Hepatitis C Virus RNA in Chronic Non-A, Non-B Liver Disease**
H. HAGIWARA, N. HAYASHI, E. MITA, N. HIRAMATSU, K. UEDA, T. TAKEHARA, N. YUKI, A. KASAHARA, H. FUSAMOTO, AND T. KAMADA

695 **Increased Expression of Epidermal Growth Factor Receptor During Gastric Ulcer Healing in Rats**
A. TARNAWSKI, J. STACHURA, T. DURBIN, I.J. SARFEH, AND H. GERGELY

SPECIAL REPORTS AND REVIEWS

699 **Gastric Chief Cells: Receptors and Signal-Transduction Mechanisms**
J.-P. RAUFMAN

711 **Genetic Variation in Hepatitis B Virus**
W.F. CARMAN AND H.C. THOMAS

720 **Hypotheses on the Pathogenesis and Natural History of *Helicobacter pylori*–Induced Inflammation**
M.J. BLASER

SELECTED SUMMARIES

728 **Morphine-Augmented Cholescintigraphy: What Exactly Is Being Augmented?**

729 **Primary Sclerosing Cholangitis: Is Medical Therapy on the Way?**

731 **NO and NO Accommodation**

733 **Tagged Red Blood Cell Imaging to Localize Gastrointestinal Bleeding: Is It Really That Helpful?**

734 **The Endoscopic Doppler and Ulcer Rebleeding Risk: Probing the Source**

737 BOOK REVIEWS

CORRESPONDENCE

739 **Hepatitis Associated With Primary HIV Infection**

739 **Psychological Treatment for the Irritable Bowel Syndrome**

740 **Reproducibility of Measurements of Trace Gas Concentrations in Expired Air**

741 **Gallbladder Contractility**

742 **Acalculous Abdominal Pain in Patients With Abnormal Cholescintigraphy: Is Cholecystectomy the Answer?**

744 **Reconsidering Small Tubular Adenomas: Are They Really Markers?**

744 ***Helicobacter pylori* Gastric Atrophy and Pernicious Anemia**

745 **Cost-Effectiveness of Symptomatic Gallstone Management: What Exactly Are We Measuring?**

746 CORRECTION

747 NOTICES

NO. 3, MARCH 1992

749 **This Month in GASTROENTEROLOGY**

ALIMENTARY TRACT

751 **Association of Subepithelial Deposition of Activated Complement and Immunoglobulin G and M Response to Gluten in Celiac Disease**
T.S. HALSTENSEN, M. HVATUM, H. SCOTT, O. FAUSA, AND P. BRANDTZAEG

760 **Relationship of *Helicobacter pylori* to Serum Pepsinogens in an Asymptomatic Japanese Population**
M. ASAKA, T. KIMURA, M. KUDO, H. TAKEDA, S. MITANI, T. MIYAZAKI, K. MIKI, AND D.Y. GRAHAM

767 **Effects of Curative Gastrinoma Resection on Gastric Secretory Function and Antisecretory Drug Requirement in the Zollinger–Ellison Syndrome**
J.R. PISEGNA, J.A. NORTON, G.G. SLIMAK, D.C. METZ, P.N. MATON, J.D. GARDNER, AND R.T. JENSEN

779 **Cholecystokinin and Gastrin Induce Cell Contraction in Pig Ileum by Interacting With Different Receptor Subtypes**
A. BOTELLA, M. DELVAUX, P. BERRY, J. FREXINOS, AND L. BUENO

787 **Sustained Slowing Effect of Lentils on Gastric Emptying of Solids in Humans and Dogs**
H.C. LIN, N.A. MOLLER, M.M. WOLINSKY, B.H. KIM, J.E. DOTY, AND J.H. MEYER

793 **Gastric Emptying of Solid Food Is Most Potently Inhibited by Carbohydrate in the Canine Distal Ileum**
H.C. LIN, B.H. KIM, J.D. ELASHOFF, J.E. DOTY, Y.-G. GU, AND J.H. MEYER

802 **Regulation of Transferrin, Transferrin Receptor, and Ferritin Genes in Human Duodenum**
A. PIETRANGELO, E. ROCCHI, G. CASALGRANDI, G. RIGO, A. FERRARI, M. PERINI, E. VENTURA, AND G. CAIRO

810 **Intestinal Absorption of Ursodeoxycholic Acid in Patients With Extrahepatic Biliary Obstruction and Bile Drainage**
S. WALKER, G. RUDOLPH, R. RAEDSCH, AND A. STIEHL

816 ***Escherichia coli* Enterotoxin (ST_a) Binds to Receptors, Stimulates Guanyl Cyclase, and Impairs Absorption in Rat Colon**
A.G. MEZOFF, R.A. GIANNELLA, M.N. EADE, AND M.B. COHEN

823 **Erythromycin Accelerates Gastric Emptying by Inducing Antral Contractions and Improved Gastroduodenal Coordination**
V. ANNESE, J. JANSSENS, G. VANTRAPPEN, J. TACK, T.L PEETERS, P. WILLEMSE, AND E. VAN CUTSEM

829 **DNA Patterns of *Helicobacter pylori* Isolated From Gastric Antrum, Body, and Duodenum**
E.J. PREWETT, J. BICKLEY, R.J. OWEN, AND R.E. POUNDER

834 **Use of an Animal Model for the Study of the Role of Human Immunodeficiency Virus 1 in the Human Intestine**
H.S. WINTER, C.H. FOX, R.B. HENDREN, K.J. ISSELBACHER, J. FOLKMAN, AND N.L. LETVIN

840 **The Ontogeny and Distribution of Neuropeptides in the Human Fetal and Infant Esophagus**
R.J.I. HITCHCOCK, M.J. PEMBLE, A.E. BISHOP, L. SPITZ, AND J.M. POLAK

849 **Clearance Patterns of the Isolated Guinea Pig Duodenum**
K. SCHULZE-DELRIEU

857 **Esophagoglottal Closure Reflex: A Mechanism of Airway Protection**
R. SHAKER, W.J. DODDS, J. REN, W.J. HOGAN, AND R.C. ARNDORFER

862 **Intracellular pH in Isolated *Necturus* Duodenal Mucosa Exposed to Luminal Acid**
H. PAIMELA, T. KIVILUOTO, H. MUSTONEN, AND E. KIVILAAKSO

868 **Arginine Vasopressin Inhibits Phasic Contractions and Stimulates Giant Contractions in Monkey Colon**
Y.-R. ZHU, V.E. COWLES, E.S. HERRANZ, W.J. SCHULTE, AND R.E. CONDON

875 **Fecal Recovery in Humans of Viable *Bifidobacterium* sp Ingested in Fermented Milk**
Y. BOUHNIK, P. POCHART, P. MARTEAU, G. ARLET, I. GODEREL, AND J.C. RAMBAUD

879 **The Function of Gp170, the Multidrug-Resistance Gene Product, in the Brush Border of Rat Intestinal Mucosa**
S. HSING, Z. GATMAITAN, AND I.M. ARIAS

886 **Vitamin D and Mineral Deficiencies Increase the Plasma Membrane Calcium Pump of Chicken Intestine**
R.H. WASSERMAN, C.A. SMITH, M.E. BRINDAK, N. DE TALAMONI, C.S. FULLMER, J.T. PENNISTON, AND R. KUMAR

895 **Prevalence of Gastrointestinal Symptoms in the Elderly: A Population-Based Study**
N.J. TALLEY, E.A. O'KEEFE, A.R. ZINSMEISTER, AND L.J. MELTON III

902 **A Prospective Study of Risk for Peptic Ulcer Disease in Seventh-Day Adventists**
J.H. KURATA, A.N. NOGAWA, D.E. ABBEY, AND F. PETERSEN

910 **Barriers to Paracellular Permeability in Rabbit Esophageal Epithelium**
R.C. ORLANDO, E.R. LACY, N.A. TOBEY, AND K. COWART

LIVER, PANCREAS, AND BILIARY TRACT

924 **Rejection of Murine Congenic Bile Ducts: A Model for Immune-Mediated Bile Duct Disease**
R.A. SCHREIBER, R.E. KLEINMAN, E.M. BARKSDALE, JR., T.F. MAGANARO, AND P.K. DONAHOE

931 **Vasodilatation and Sodium Retention in Prehepatic Portal Hypertension**
A. ALBILLOS, L.A. COLOMBATO, AND R. J. GROSZMANN

936 **Altered Glutamine Metabolism in Rat Portal Drained Viscera and Hindquarter During Hyperammonemia**
C.H.C. DEJONG, M.T. KAMPMAN, N.E.P. DEUTZ, AND P.B. SOETERS

949 **Ontogeny of the Receptor for Polymeric Immunoglobulins in Rat Hepatocytes**
J.-P. Buts, J.-P. Vaerman, and G. Lescoat

956 **High-Level Expression of Hepatitis B Viral Antigens in Fibrosing Cholestatic Hepatitis**
J.Y.N. Lau, V.G. Bain, S.E. Davies, J.G. O'Grady, A. Alberti, G.J.M. Alexander, and R. Williams

963 **Localization and Characterization of Secretin Binding Sites Expressed by Rat Bile Duct Epithelium**
M. Farouk, S.R. Vigna, D.C. McVey, and W.C. Meyers

969 **Role of Hepatitis C Virus in Acute Non-A, Non-B Hepatitis in Greece: A 5-Year Prospective Study**
N.C. Tassopoulos, A. Hatzakis, I. Delladetsima, M.G. Koutelou, A. Todoulos, and V. Miriagou

973 **Prognostic Usefulness of Hepatic Vein Catheterization in Patients With Cirrhosis and Esophageal Varices**
C. Merkel, M. Bolognesi, S. Bellon, R. Zuin, F. Noventa, G. Finucci, D. Sacerdoti, P. Angeli, and A. Gatta

980 **Distribution and Cellular Origin of Collagen VI During Development and in Cirrhosis**
O. Loréal, B. Clément, D. Schuppan, P.-Y. Rescan, M. Rissel, and A. Guillouzo

988 **Noninvasive Therapy of Gallbladder Calculi With a Radiopaque Rim**
M. Sackmann, J. Pauletzki, M. Delius, J. Holl, M. Neubrand, T. Sauerbruch, and G. Paumgartner

994 **Factors Influencing Development of Portal Hypertensive Gastropathy in Patients With Portal Hypertension**
S.K. Sarin, D.V. Sreenivas, D. Lahoti, and A. Saraya

1000 **Bile Secretory Immunoglobulin A in Biliary Infection and Cholelithiasis**
X.Y. Yio, B. Jin, F.Z. Yin, and X.J. Li

1009 **A Randomized Study of Propranolol on Postprandial Portal Hyperemia in Cirrhotic Patients**
C. Sabbá, G. Ferraioli, P. Buonamico, T. Mahl, K.J.W. Taylor, E. Lerner, O. Albano, and R.J. Groszmann

1017 **Effect on Hemodynamics of a Liquid Meal Alone and in Combination With Propranolol in Cirrhosis**
F. Bendtsen, L. Simonsen, and J.H. Henriksen

1024 **Arterial Vasodilation Is Not the Cause of Increased Cardiac Output in Cirrhosis**
F.W. Lewis, O. Adair, and W.G. Rector, Jr.

1030 **Ruthenium Red Delays the Onset of Cell Death During Oxidative Stress of Rat Hepatocytes**
J.L. Groskreutz, S.F. Bronk, and G.J. Gores

1039 **Nucleotide Sequences of 5-1-1 of Hepatitis C Virus in Patients With Chronic Liver Disease**
K. Hosoda, M. Omata, O. Yokosuka, N. Kato, and M. Ohto

CASE REPORTS

1044 **Cytofluorometry as a Diagnosis of Protoporphyria**
B.E. Schleiffenbaum, E.I. Minder, P. Möhr, M. Decurtins, and A. Shaffner

1049 **Benefit of Resection of Metastatic Gastrinoma in Multiple Endocrine Neoplasia Type I**
J.A. Cherner and J.L. Sawyers

1054 **Peritoneal Coccidioidomycosis Associated With Human Immunodeficiency Virus Infection**
P.A. Jamidar, D.R. Campbell, J.L. Fishback, and S.A. Klotz

1059 **Acute Esophageal Hemorrhage From a Vagal Neurilemoma**
K.R. DeVault, L.S. Miller, H. Yaghsezian, A.M. Spirig, M. Dhuria, F.R. Armenti, D.C. Connell, P. Martin, and D.O. Castell

1062 **Selective Intra-arterial Methylene Blue Injection: A Novel Method of Localizing Gastrinoma**
T.C. Ko, M. Flisak, and R.A. Prinz

1065 **Bacillary Peliosis Hepatis as a Cause of Acute Anemia in a Patient With the Acquired Immunodeficiency Syndrome**
G. Garcia-Tsao, L. Panzini, M. Yoselevitz, and A.B. West

EDITORIALS

1071 **The Regulation of Iron Absorption: One More Piece in the Puzzle?**
J.W. Halliday

1074 **Chronic Peptic Ulceration and Nonsteroidal Anti-inflammatory Drugs: More to Be Said About NSAIDs?**
N.J. Talley

1077 **Arteriolar Vasodilation and the Pathogenesis of the Hyperdynamic Circulation and Renal Sodium and Water Retention in Cirrhosis**
V. Arroyo and P. Ginés

SELECTED SUMMARIES

1080 **Has Another Surgical Procedure Been Replaced?**

1081 **Hepatocellular Carcinoma in Transgenic Mice: A Consequence of Continued Expression of the HBx Gene?**

1082 **Mucus and Metastasis**

1083 **Endoscopic Therapy for Bleeding Ulcers: Which Thermal Method Is Best?**

1084 **Does the Time of the Month Affect the Function of the Gut?**

1086 **BOOK REVIEWS**

CORRESPONDENCE

1088 **Antral Gastritis, *Helicobacter pylori*, and Gastric Mucosal Sensitivity**

1088 **Antineutrophil Cytoplasmic Antibodies in Primary Sclerosing Cholangitis, Ulcerative Colitis, and Autoimmune Diseases**

1091 **Comparative Efficacy of Cimetidine, Famotidine, Ranitidine, and Mylanta in Postoperative Stress Ulcers**

1092 **PAF-Acether in Necrotizing Enterocolitis**

1092 **Intraductal Mucin-Hypersecreting Neoplasms of the Pancreas**

1093 **The Effect of 5-Aminosalicylic Acid on the Mucosal Immune System**

1094 **Statistical Methods for Predicting Variceal Hemorrhage**

1096 **CORRECTION**

1097 **NOTICES**

NO. 4, APRIL 1992, PART 1 OF 2 PARTS

1099 **This Month in GASTROENTEROLOGY**

ALIMENTARY TRACT

1101 **Characterization of Insulinlike Growth Factor I Receptors in Human Colon Cancer**
Y.-S. GUO, S. NARAYAN, C. YALLAMPALLI, AND P. SINGH

1109 **Luminal Polyamines Substitute for Tissue Polyamines in Duodenal Mucosal Repair After Stress in Rats**
J.-Y. WANG AND L.R. JOHNSON

1118 **Effect of Aging on Gastric and Duodenal Mucosal Prostaglandin Concentrations in Humans**
B. CRYER, J.S. REDFERN, M. GOLDSCHMIEDT, E. LEE, AND M. FELDMAN

1124 **Calcitonin Gene-Related Peptide Mediates the Gastric Hyperemic Response to Acid Back-Diffusion**
D.-S. LI, H.E. RAYBOULD, E. QUINTERO, AND P.H. GUTH

1129 **Duodenal Mucosal Resistance to Intraluminal Acid in the Rat: Role of Adaptive Cytoprotection**
A. LUGEA, A. SALAS, F. GUARNER, F. AZPIROZ, AND J.-R. MALAGELADA

1136 **Survival and Acquired Genetic Alterations in Colorectal Cancer**
P. LAURENT-PUIG, S. OLSCHWANG, O. DELATTRE, Y. REMVIKOS, B. ASSELAIN, T. MELOT, P. VALIDIRE, M. MULERIS, J. GIRODET, R.J. SALMON, AND G. THOMAS

1142 **Regulation of Gastric Acid Secretion by Gastrin in Duodenal Ulcer Patients and Healthy Subjects**
V.E. EYSSELEIN, T.O.G. KOVACS, J.H. KLEIBEUKER, V. MAXWELL, T. REEDY, AND J.H. WALSH

1149 **DNA Aneuploidy in Ulcerative Colitis: Reproducibility, Topographic Distribution, and Relation to Dysplasia**
R. LÖFBERG, O. BROSTRÖM, P. KARLÉN, Å. ÖST, AND B. TRIBUKAIT

1155 **Ultraviolet Laser–Induced Fluorescence of Colonic Polyps**
K.T. SCHOMACKER, J.K. FRISOLI, C.C. COMPTON, T.J. FLOTTE, J.M. RICHTER, T.F. DEUTSCH, AND N.S. NISHIOKA

1161 **Atriopeptins and *Escherichia coli* Enterotoxin ST_a Have Different Sites of Action in Mammalian Intestine**
A.B. VAANDRAGER, A.G.M. BOT, J. DE VENTE, AND H.R. DE JONGE

1170 **Intestinal Heme Oxygenase Inhibition and Increased Biliary Iron Excretion by Metalloporphyrins**
G.S. DRUMMOND, D.W. ROSENBERG, AND A. KAPPAS

1176 **Mechanisms Underlying the Protective Effects of Interleukin 1 in Experimental Nonsteroidal Anti-inflammatory Drug Gastropathy**
J.L. WALLACE, C.M. KEENAN, M. CUCALA, K.G. MUGRIDGE, AND L. PARENTE

1186 **Heterogeneity of Cytochrome P450IIIA Expression in Rat Gut Epithelia**
J.C. KOLARS, P. SCHMIEDLIN-REN, W.O. DOBBINS III, J. SCHUETZ, S.A. WRIGHTON, AND P.B. WATKINS

1199 **Effect of Colonic Inflammation on Mucin Inhibition of *Escherichia coli* RDEC-1 Binding In Vitro**
D.R. MACK, T.S. GAGINELLA, AND P.M. SHERMAN

1212 **Flow-Cytometric and Histological Progression to Malignancy in Barrett's Esophagus: Prospective Endoscopic Surveillance of a Cohort**
B.J. REID, P.L. BLOUNT, C.E. RUBIN, D.S. LEVINE, R.C. HAGGITT, AND P.S. RABINOVITCH

1220 **Evaluation of p53 Protein Expression in Barrett's Esophagus by Two-Parameter Flow Cytometry**
S. RAMEL, B.J. REID, C.A. SANCHEZ, P.L. BLOUNT, D.S. LEVINE, K. NESHAT, R.C. HAGGITT, P.J. DEAN, K. THOR, AND P.S. RABINOVITCH

1229 **Verapamil Alters Eicosanoid Synthesis and Accelerates Healing During Experimental Colitis in Rats**
R.N. FEDORAK, L.R. EMPEY, AND K. WALKER

1236 **Abnormalities in the Distribution of Laminin and Collagen Type IV in Hirschsprung's Disease**
D.H. PARIKH, P.K.H. TAM, D. VAN VELZEN, AND D. EDGAR

1242 **Colonic Vasoactive Intestinal Peptide Nerves in Inflammatory Bowel Disease**
Y. KUBOTA, R.E. PETRAS, C.A. OTTAWAY, R.R. TUBBS, R.G. FARMER, AND C. FIOCCHI

1252 **pH Threshold for Human Duodenal Bicarbonate Secretion and Diffusion of CO_2**
S.P. FEITELBERG, D.L. HOGAN, M.A. KOSS, AND J.I. ISENBERG

1259 **Dyspepsia and Dyspepsia Subgroups: A Population-Based Study**
N.J. TALLEY, A.R. ZINSMEISTER, C.D. SCHLECK, AND L.J. MELTON III

1269 **Production, Metabolism, and Excretion of Hydrogen in the Large Intestine**
S.U. CHRISTL, P.R. MURGATROYD, G.R. GIBSON, AND J. H. CUMMINGS

1278 **Fecal and Stomal Bile Acid Composition After Ileostomy or Ileoanal Anastomosis in Patients With Chronic Ulcerative Colitis and Adenomatosis Coli**
H. NATORI, J. UTSUNOMIYA, T. YAMAMURA, Y. BENNO, AND K. UCHIDA

1289 **Ulcer Recurrence Following Duodenal Ulcer Healing With Omeprazole, Ranitidine, or Placebo: A Double-Blind, Multicenter, 6-Month Study**
D.Y. GRAHAM, J. COLON-PAGAN, R.S. MORSE, T.L. JOHNSON, J.H. WALSH, A.J. MCCULLOUGH, J.W. MARKS, M. SKLAR, R.C. STONE, A.J. CAGLIOLA, K.L. WALTON-BOWEN, T.J. HUMPHRIES, AND THE OMEPRAZOLE DUODENAL ULCER STUDY GROUP

1295 **16,16-Dimethyl Prostaglandin E_2 Reduces Bile Acid–Mediated Intestinal Vascular Injury in Rats**
R.A. ERICKSON, K. CHANG, E. LIFRAK, N. RIVERA, AND J. STACHURA

LIVER, PANCREAS, AND BILIARY TRACT

1306 **Absence of Hepatitis C Viral RNA From Saliva and Semen of Patients With Chronic Hepatitis C**
M.W. FRIED, M. SHINDO, T.-L. FONG, P.C. FOX, J.H. HOOFNAGLE, AND A.M. DI BISCEGLIE

1309 **Long-Term Sympathetic and Hemodynamic Responses to Clonidine in Patients With Cirrhosis and Ascites**
D. ROULOT, R. MOREAU, C. GAUDIN, Y. BACQ, A. BRAILLON, A. HADENGUE, P. FROHLY, AND D. LEBREC

1319 **Nodular Regenerative Hyperplasia of the Liver in Early Histological Stages of Primary Biliary Cirrhosis**
F. COLINA, F. PINEDO, J.A. SOLÍS, D. MORENO, AND M. NEVADO

1325 **Body Cell Mass and Leucine Metabolism in Cirrhosis**
A.J. MCCULLOUGH, K.D. MULLEN, AND S.C. KALHAN

1334 **Coagulopathy During Ascites Reinfusion: Prevention by Antiplatelet Therapy**
H.H. TANG, H.H. SALEM, L.J. WOOD, AND F.J. DUDLEY

1340 **Mitotic Responsiveness of Cultured Adult Human Hepatocytes to Epidermal Growth Factor, Transforming Growth Factor α, and Human Serum**
P. BLANC, H. ETIENNE, M. DAUJAT, I. FABRE, F. ZINDY, J. DOMERGUE, C. ASTRE, B. SAINT AUBERT, H. MICHEL, AND P. MAUREL

1351 **Direct Evidence for the Intact Hepatocyte Theory in Patients With Liver Cirrhosis**
S. KAWASAKI, H. IMAMURA, Y. BANDAI, K. SANJO, AND Y. IDEZUKI

1356 **Atrial Natriuretic Factor in Experimental Cirrhosis in Rats**
T.R. MORGAN, K. MORGAN, G.M. JONAS, AND I. THILLAINADARAJAH

1363 **Lecithin Increases Plasma Free Choline and Decreases Hepatic Steatosis in Long-Term Total Parenteral Nutrition Patients**
A.L. BUCHMAN, M. DUBIN, D. JENDEN, A. MOUKARZEL, M.H. ROCH, K. RICE, J. GORNBEIN, M.E. AMENT, AND C.D. ECKHERT

1371 **Cholestasis Induces Major Histocompatibility Complex Class I Expression in Hepatocytes**
Y. CALMUS, C. ARVIEUX, P. GANE, E. BOUCHER, B. NORDLINGER, P. ROUGER, AND R. POUPON

1378 **Cyclic Interdigestive Pancreatic Exocrine Secretion: Is It Mediated by Neural or Hormonal Mechanisms?**
D.W. ZIMMERMAN, M.G. SARR, C.D. SMITH, C.P. NICHOLSON, R.R. DALTON, D. BARR, J.D. PERKINS, AND E.P. DIMAGNO

CASE REPORTS

1385 **Carbamazepine Hepatotoxicity: Another Cause of the Vanishing Bile Duct Syndrome**
G.M. FORBES, G.P. JEFFREY, K.B. SHILKIN, AND W.D. REED

1389 **Progression of Primary Biliary Cirrhosis With Ursodeoxycholic Acid Therapy**
R. PERDIGOTO AND R.H. WIESNER

1392 **Endosonography in Staging Early Carcinoma of the Ampulla of Vater**
T.L. TIO, C.J.J. MULDER, AND W.F. EGGINK

1396 **Combined Nitrofurantoin Toxicity to Liver and Lung**
H.H. REINHART, E. REINHART, P. KORLIPARA, AND R. PELEMAN

1400 **Familial Barrett's Esophagus Associated With Adenocarcinoma**
V.J. JOCHEM, P.A. FUERST, AND J.J. FROMKES

BRIEF REPORTS

1403 **Selective Bowel Decontamination Does Not Alter Hepatic Regeneration in Rats**
E.L. MACINTOSH, T. GAUTHIER, G.K.M. HARDING, AND G.Y. MINUK

1406 **Acute Exacerbation of Liver Disease During Interferon Alfa Therapy for Chronic Hepatitis C**
M. SHINDO, A.M. DI BISCEGLIE, AND J.H. HOOFNAGLE

1409 **Rapid Regression of Enterochromaffinlike Cell Gastric Carcinoids in Pernicious Anemia After Antrectomy**
B.I. HIRSCHOWITZ, J. GRIFFITH, D. PELLEGRIN, AND O.W. CUMMINGS

EDITORIALS

1419 **Will Molecular Genetic Markers Help Predict the Clinical Behavior of Colorectal Neoplasia?**
D.A. AHLQUIST AND S.N. THIBODEAU

1421 **Barrett's Esophagus and Adenocarcinoma: From the Family to the Gene**
A.J. CAMERON

1424 **Maintaining Intestinal H_2 Balance: Credit the Colonic Bacteria**
A. STROCCHI AND M.D. LEVITT

1426 **Community-Acquired Hepatitis C Virus Infection**
F.B. HOLLINGER AND H.J. LIN

1429 **What Is the Role of Major Histocompatibility Complex Expression in Cholestasis?**
K. LINDOR

SELECTED SUMMARIES

1431 **Crack and Gastroduodenal Perforation**

1432 **Achalasia Treatment—Is Nifedipine a Viable Alternative?**

1434 **Fibroblast Growth Promoted by a Mast Cell Protease**

1435 **Metronidazole in Crohn's Disease: What's the Score?**

1436 **Hepatitis C Virus and Autoimmune Chronic Active Hepatitis: Closing the Ring**

1439 **BOOK REVIEWS**

CORRESPONDENCE

1442 **Laser Therapy: First Treatment for the Palliation of Malignant Dysphagia**

1442 **PAF-Acether and Diarrhea**

1443 **Criglar-Najjar Syndrome (Type I) and Survival**

1443 **Omeprazole and Hepatic Monooxygenase**

1444 **The Stomach and Liver Cirrhosis**

1445 **Enteral Feeding in the Treatment of Crohn's Disease: Not All Polymeric Diets Are Equal**

1446 **Gallbladder Ejection Fraction: Still in Need of Validation**

1447 **Is Pentane Produced by Colonic Bacteria?**

1448 **Azathioprine or 6-Mercaptopurine Therapy and Colon Carcinoma in Crohn's Disease**

1448 **Colonic Motility and Functional Diarrhea**

1450 **NOTICES**

NO. 4, APRIL 1992, PART 2 OF 2 PARTS

DIGESTIVE DISEASE WEEK AND THE 93RD ANNUAL MEETING OF THE AMERICAN GASTROENTEROLOGICAL ASSOCIATION

May 9–15, 1992, San Francisco, California

PROGRAM OF THE ANNUAL MEETING OF THE AMERICAN GASTROENTEROLOGICAL ASSOCIATION, THE AMERICAN ASSOCIATION FOR THE STUDY OF LIVER DISEASES, THE GASTROENTEROLOGY RESEARCH GROUP, THE SOCIETY FOR SURGERY OF THE ALIMENTARY TRACT, AND THE AMERICAN SOCIETY FOR GASTROINTESTINAL ENDOSCOPY P1

ABSTRACTS OF PAPERS SUBMITTED TO THE AMERICAN GASTROENTEROLOGICAL ASSOCIATION A1

ABSTRACTS OF PAPERS SUBMITTED TO THE AMERICAN ASSOCIATION FOR THE STUDY OF LIVER DISEASES A770

STUDENT RESEARCH ABSTRACTS A915

AUTHOR INDEX A950

SUBJECT INDEX A989

NO. 5, MAY 1992

1453 **This Month in GASTROENTEROLOGY**

AMERICAN GASTROENTEROLOGICAL ASSOCIATION

1455 **Our New President—Walter J. Hogan, M.D.**
K.H. SOERGEL

ALIMENTARY TRACT

1458 **Stable Isotope Model for Estimating Colonic Acetate Production in Premature Infants**
C.L. KIEN, J. KEPNER, K. GROTJOHN, K. AULT, AND R.E. MCCLEAD

1467 **Increased Production of Transforming Growth Factor α Following Acute Gastric Injury**
W.H. POLK, JR., P.J. DEMPSEY, W.E. RUSSELL, P.I. BROWN, R.D. BEAUCHAMP, J.A. BARNARD, AND R.J. COFFEY, JR.

1475 **Effect of Dietary Fiber on Colonic Bacterial Enzymes and Bile Acids in Relation to Colon Cancer**
B.S. REDDY, A. ENGLE, B. SIMI, AND M. GOLDMAN

1483 **Effects of Zidovudine Treatment on the Small Intestinal Mucosa in Patients Infected With the Human Immunodeficiency Virus**
R. ULLRICH, W. HEISE, C. BERGS, M. L'AGE, E.-O. RIECKEN, AND M. ZEITZ

1493 **Ulcerative Colitis–Linked Antineutrophil Cytoplasmic Antibody in the Cotton-Top Tamarin Model of Colitis**
S.R. TARGAN, C.J. LANDERS, N.W. KING, D.J. PODOLSKY, AND F. SHANAHAN

1499 **Increased Jejunal Intraepithelial Lymphocytes Bearing γ/δ T-Cell Receptor in Dermatitis Herpetiformis**
M. VECCHI, L. CROSTI, E. BERTI, D. AGAPE, A. CERRI, AND R. DE FRANCHIS

1506 The Effect of Continuous Enteral Nutrition on Gastric Acidity in Humans
D. ARMSTRONG, F. CASTIGLIONE, C. EMDE, T. CILLUFFO, P. DUROUX, J. KOERFER, E. TEMLER, C.B.H.W. LAMERS, J.B.M.J. JANSENS, A.L. BLUM, AND J.-J. GONVERS

1516 Interaction of Legume Lectins With the Cellular Metabolism of Differentiated Caco-2 Cells
J.F.J.G. KONINKX, H.G.C.J.M. HENDRIKS, J.M.A. VAN ROSSUM, T.S.G.A.M. VAN DEN INGH, AND J.M.V.M. MOUWEN

1524 A Comparative Analysis of Two Models of Colitis in Rats
T. YAMADA, S. MARSHALL, R.D. SPECIAN, AND M.B. GRISHAM

1535 Dog Gastric Lipase: Stimulation of Its Secretion In Vivo and Cytolocalization in Mucous Pit Cells
F. CARRIÈRE, V. RAPHEL, H. MOREAU, A. BERNADAC, M.-A. DEVAUX, R. GRIMAUD, J.A. BARROWMAN, C. BÉNICOURT, J.-L. JUNIEN, R. LAUGIER, AND R. VERGER

1546 Glucose and Citrate Reduce the Permeability Changes Caused by Indomethacin in Humans
I. BJARNASON, P. SMETHURST, A. MACPHERSON, F. WALKER, J.C. MCELNAY, A.P. PASSMORE, AND I.S. MENZIES

1551 Comparative Studies of Esophageal Function in Systemic Sclerosis
H.A. KLEIN, A. WALD, T.O. GRAHAM, W.L. CAMPBELL, AND V.D. STEEN

1557 Adherence and Internalization of *Helicobacter pylori* by HEp-2 Cells
D.G. EVANS, D.J. EVANS, JR., AND D.Y. GRAHAM

1568 Central Thyrotropin-Releasing Factor Analog Prevents Ethanol-Induced Gastric Damage Through Prostaglandins in Rats
M. YONEDA AND Y. TACHÉ

1575 Difference in Expression of *Helicobacter pylori* Gastritis in Antrum and Body
E. BAYERDÖRFFER, N. LEHN, R. HATZ, G.A. MANNES, H. OERTEL, T. SAUERBRUCH, AND M. STOLTE

1583 Antroduodenal Motility and Movements of Luminal Contents Studied by Duplex Sonography
T. HAUSKEN, S. ØDEGAARD, K. MATRE, AND A. BERSTAD

1591 A Ferret Model of Acute Multifocal Gastrointestinal Infarction
M. HUDSON, C. PIASECKI, E.A. SANKEY, R. SIM, A.J. WAKEFIELD, L.J. MORE, A.M. SAWYERR, A.P. DHILLON, AND R.E. POUNDER

1597 Effect of Cell Culture on Rabbit Colonic Smooth Muscle Bradykinin Receptors
P.E. HYMAN, A. DIEGO, D. RIDOUT, Q.X. YUAN, H. ENNES, F. COMINELLI, W.J. SNAPE, JR., AND T. TOMOMASA

1605 Effects of Nonsteroidal Anti-inflammatory Drugs and Misoprostol on Gastroduodenal Epithelial Proliferation in Arthritis
S. LEVI, R.A. GOODLAD, C.Y. LEE, M.J. WALPORT, N.A. WRIGHT, AND H.J.F. HODGSON

1612 The Relationship of DNA Aneuploidy to Molecular Genetic Alterations in Colorectal Carcinoma
G.J.A. OFFERHAUS, E.P. DE FEYTER, C.J. CORNELISSE, K.W.F. TERSMETTE, J. FLOYD, S.E. KERN, B. VOGELSTEIN, AND S.R. HAMILTON

1620 Increased Interleukin-2 Messenger RNA in the Intestinal Mucosal Lesions of Crohn's Disease but Not Ulcerative Colitis
G.E. MULLIN, A.J. LAZENBY, M.L. HARRIS, T.M. BAYLESS, AND S.P. JAMES

1628 Gastrointestinal Malignant Lymphomas of the Mucosa-Associated Lymphoid Tissue: Factors Relevant to Prognosis
T. RADASZKIEWICZ, B. DRAGOSICS, AND P. BAUER

1639 The Nontransformed Progesterone and Estrogen Receptors in Gastric Cancer
C.-W. WU, H.-M. CHANG, H.-L. KAO, W.-Y. LUI, F.-K. P'ENG, AND C.-W. CHI

1647 Endoscopic Monitoring of Crohn's Disease Treatment: A Prospective, Randomized Clinical Trial
B. LANDI, T.N. ANH, A. CORTOT, J.C. SOULE, E. RENE, J.P. GENDRE, P. BORIES, A. SEE, E.H. METMAN, C. FLORENT, E. LEREBOURS, J.Y. MARY, R. MODIGLIANI, AND THE GROUPE D'ETUDES THERAPEUTIQUES DES AFFECTIONS INFLAMMATOIRES DIGESTIVES

1654 Role of Circulating Cholecystokinin in Control of Fat-Induced Inhibition of Food Intake in Humans
J. DREWE, A. GADIENT, L.C. ROVATI, AND C. BEGLINGER

LIVER, PANCREAS, AND BILIARY TRACT

1660 Tauro-β-murichолate Preserves Choleresis and Prevents Taurocholate-Induced Cholestasis in Colchicine-Treated Rat Liver
K. KATAGIRI, T. NAKAI, M. HOSHINO, T. HAYAKAWA, H. OHNISHI, Y. OKAYAMA, T. YAMADA, T. OHIWA, M. MIYAJI, AND T. TAKEUCHI

1668 Effect of Chenodeoxycholate and Ursodeoxycholate on Nucleation Time in Human Gallbladder Bile
I. HIROTA, K. CHIJIIWA, H. NOSHIRO, AND F. NAKAYAMA

1675 Duration and Specificity of Antibodies to Hepatitis C Virus in Chronic Active Hepatitis
A.J. CZAJA, H.F. TASWELL, J. RAKELA, AND D. RABE

1680 Spironolactone Pharmacokinetics and Pharmacodynamics in Patients With Cirrhotic Ascites
I. SUNGAILA, W.R. BARTLE, S.E. WALKER, C. DEANGELIS, J. UETRECHT, C. PAPPAS, AND E. VIDINS

1686 Depression of Plasma Gelsolin Level During Acute Liver Injury
H. ITO, H. KAMBE, Y. KIMURA, H. NAKAMURA, E. HAYASHI, T. KISHIMOTO, S. KISHIMOTO, AND H. YAMAMOTO

1693 The Role of Lipids in Ischemia/Reperfusion-Induced Changes in Mucosal Permeability in Developing Piglets
K.D. CRISSINGER AND P. TSO

1700 **Increased Muscle Protein Catabolism Caused by Carbon Tetrachloride Hepatic Injury in Rats**
F.L. WEBER, JR., P.T. MACECHKO, S.R. KELSON, E. KARAJIANNIS, AND M.O. HASSAN

1707 **Calcium and Carbonate Ion Concentrations in Gallbladder and Hepatic Bile**
D. GLEESON, K.A. HOOD, G.M. MURPHY, AND R.H. DOWLING

1717 **Glycocholic Acid and Glycodeoxycholic Acid but Not Glycoursocholic Acid Inhibit Bile Acid Synthesis in the Rabbit**
G. XU, G. SALEN, A.K. BATTA, S. SHEFER, L.B. NGUYEN, W. NIEMANN, T.S. CHEN, R. ARORA-MIRCHANDANI, G.C. NESS, AND G.S. TINT

1724 **Differential Expression of Collagen Types I, III, and IV by Fat-Storing (Ito) Cells In Vitro**
T. KNITTEL, D. SCHUPPAN, K.-H. MEYER ZUM BÜSCHENFELDE, AND G. RAMADORI

1736 **Selection for and Outcome of Liver Transplantation in Alcoholic Liver Disease**
M.R. LUCEY, R.M. MERION, K.S. HENLEY, D.A. CAMPBELL, JR., J.G. TURCOTTE, T.T. NOSTRANT, F.C. BLOW, AND T.P. BERESFORD

1742 **The Effect of the Cholecystokinin Receptor Antagonist MK-329 on Meal-Stimulated Pancreaticobiliary Output in Humans**
P. CANTOR, P.E. MORTENSEN, J. MYHRE, I. GJORUP, H. WORNING, E. STAHL, AND T.T. SURVILL

1752 **Ursodeoxycholic Acid Limits Liver Histologic Alterations and Portal Hypertension Induced by Bile Duct Ligation in the Rat**
J.L. POO, G. FELDMANN, S. ERLINGER, A. BRAILLON, C. GAUDIN, M. DUMONT, AND D. LEBREC

1760 **Propranolol Reduces the Rebleeding Rate During Endoscopic Sclerotherapy Before Variceal Obliteration**
J.-P. VINEL, H. LAMOULIATTE, P. CALES, J.-M. COMBIS, D. ROUX, H. DESMORAT, B. PRADERE, G. BARJONNET, A. QUINTON, AND J.-P. PASCAL

1764 **Gallbladder Mucosal Blood Flow Increases During Early Cholesterol Gallstone Formation**
R.L. CONTER, J.L. WASHINGTON, C.-C. LIAO, AND G.L. KAUFFMAN, JR.

CASE REPORTS

1771 **Indian Childhood Cirrhosis in an American Child**
M. ADAMSON, B. REINER, J.L. OLSON, Z. GOODMAN, L. PLOTNICK, I. BERNARDINI, AND W.A. GAHL

1778 ***Enterocytozoon bieneusi* Infection in Acquired Immunodeficiency Syndrome–Related Sclerosing Cholangitis**
S. POL, C. ROMANA, S. RICHARD, F. CARNOT, J.-L. DUMONT, H. BOUCHE, G. PIALOUX, M. STERN, J.-F. PAYS, AND P. BERTHELOT

1782 **Aerobilia and Hypomotility of the Sphincter of Oddi in a Patient With Chronic Intestinal Pseudo-obstruction**
H.D. ALLESCHER, L. SAFRANY, H. NEUHAUS, H. FEUSSNER, AND M. CLASSEN

SPECIAL REPORTS AND REVIEWS

1788 **Circulatory Mechanisms of Gastric Mucosal Damage and Protection**
E.D. JACOBSON

EDITORIALS

1801 **Cholecystokinin and the Satiating Effect of Fat**
D. GREENBERG, G.P. SMITH, AND J. GIBBS

1803 **Lipocyte Activation and Hepatic Fibrosis**
D.M. BISSELL

1806 **Transplantation in the Alcoholic: A Stalking Horse for a Larger Problem**
M.F. SORRELL, J.P. DONOVAN, AND B.W. SHAW, JR.

1808 **Abnormalities in Gallbladder Function in Cholesterol Gallstone Disease: Bile and Blood, Mucosa and Muscle—The List Lengthens**
E.A. SHAFFER

SELECTED SUMMARIES

1813 **Replication of the Hepatitis D Virus Genome Without Hepatitis B Virus**

1814 **Where Is the Dividing Line Between Autoimmune Hepatitis and Hepatitis C?**

1816 **Does pH Monitoring Predict Clinical Course in Esophagitis?**

1816 **A New Look at the Mechanisms of Healing of Peptic Ulcers**

1817 **Laparoscopic Cholecystectomy and the Common Bile Duct: Whither the Twain Shall Meet?**

1820 **BOOK REVIEWS**

CORRESPONDENCE

1822 **P450IA2 and Omeprazole**

1823 **Omeprazole, Cytochrome P450, and Chemical Carcinogenesis**

1824 **Methotrexate for Primary Biliary Cirrhosis**

1824 **Beer and Release of Gastrin in Humans**

1826 **Idiopathic Neonatal Iron-Storage Disease: Clinical Similarity to Hemophagocytic Lymphohistiocytosis**

1827 **Geography and Inflammatory Bowel Disease**

1827 **Diagnosing a Diagnostic Study—Lipase/Amylase Ratio**

1828 **Sensitivity and Specificity of the Manning Criteria**

1829 **Fecal Carriage of *Streptococcus bovis* and Inflammatory Bowel Disease**

1829 **CORRECTION**

1830 **NOTICES**

NO. 6, JUNE 1992

1833 **This Month in GASTROENTEROLOGY**

ALIMENTARY TRACT

1835 **Dual and Asynchronous Deposition of Laminin Chains at the Epithelial-Mesenchymal Interface in the Gut**
P. SIMO, F. BOUZIGES, J.-C. LISSITZKY, L. SOROKIN, M. KEDINGER, AND P. SIMON-ASSMANN

1846 **Mucosal Ouabain and Na^+ Inhibit Active $Rb^+(K^+)$ Absorption in Normal and Sodium-Depleted Rat Distal Colon**
V. PANDIYAN, V.M. RAJENDRAN, AND H.J. BINDER

1854 **Electrical Acustimulation Relieves Vection-Induced Motion Sickness**
S. HU, R.M. STERN, AND K.L. KOCH

1859 **Effect of Ingestion of Eicosapentaenoic Acid Ethyl Ester on Carrageenan-Induced Colitis in Guinea Pigs**
Y. KITSUKAWA, H. SAITO, Y. SUZUKI, J. KASANUKI, Y. TAMURA, AND S. YOSHIDA

1867 **Immunochemical Localization of Aminopeptidase M in the Alimentary Tract of the Guinea Pig and Rat**
H. TERASHIMA, H. WONG, R. KOBAYASHI, AND N.W. BUNNETT

1877 **Primary Sclerosing Cholangitis in Ulcerative Colitis—A Risk Factor for the Development of Dysplasia and DNA Aneuploidy?**
U. BROOMÉ, G. LINDBERG, AND R. LÖFBERG

1881 **Mechanism of Gastric Mucosal Damage Induced by Ammonia**
M. TSUJII, S. KAWANO, S. TSUJI, H. FUSAMOTO, T. KAMADA, AND N. SATO

1889 **Cholecystokinin's Role in Regulation of Colonic Motility in Health and in Irritable Bowel Syndrome**
C. NIEDERAU, S. FABER, AND M. KARAUS

1899 **Long-Term Nonsteroidal Anti-inflammatory Drug Use and Gastroduodenal Injury: The Role of *Helicobacter pylori***
D.S. LOEB, N.J. TALLEY, D.A. AHLQUIST, H.A. CARPENTER, AND A.R. ZINSMEISTER

1906 **Histamine Inhibits 5-Hydroxytryptamine Release From the Porcine Small Intestine: Involvement of H_3 Receptors**
H. SCHWÖRER, S. KATSOULIS, AND K. RACKÉ

1913 **Increased Levels of Substance P in the Myenteric Plexus of *Trichinella*-Infected Rats**
M.G. SWAIN, A. AGRO, P. BLENNERHASSETT, A. STANISZ, AND S.M. COLLINS

1920 **Increased Collagen Type III Synthesis by Fibroblasts Isolated From Strictures of Patients With Crohn's Disease**
A. STALLMACH, D. SCHUPPAN, H.H. RIESE, H. MATTHES, AND E.O. RIECKEN

1930 **Development of Gap Junctions Between Gastric Surface Mucous Cells During Cell Maturation in Rats**
T. KYOI, F. UEDA, K. KIMURA, M. YAMAMOTO, AND K. KATAOKA

1936 **The Effect of Diarrhea on Fecal Fat Excretion**
K.D. FINE AND J.S. FORDTRAN

1940 **Crohn's Disease Among Ethnic Groups in a Large Health Maintenance Organization**
J.H. KURATA, S. KANTOR-FISH, H. FRANKL, P. GODBY, AND C.M. VADHEIM

1949 **Truncated and Native Insulinlike Growth Factor I Enhance Mucosal Adaptation After Jejunoileal Resection**
J.A. VANDERHOOF, R.H. MCCUSKER, R. CLARK, H. MOHAMMADPOUR, D.J. BLACKWOOD, R.F. HARTY, AND J.H.Y. PARK

1957 **Corticosteroid Treatment for Inflammatory Bowel Disease in Pediatric Patients Increases Intraocular Pressure**
R.C. TRIPATHI, B.S. KIRSCHNER, M. KIPP, B.J. TRIPATHI, D. SLOTWINER, N.S.C. BORISUTH, T. KARRISON, AND J.T. ERNEST

1962 **Symptoms of Irritable Bowel Syndrome in a British Urban Community: Consulters and Nonconsulters**
K.W. HEATON, L.J.D. O'DONNELL, F.E.M. BRADDON, R.A. MOUNTFORD, A.O. HUGHES, AND P.J. CRIPPS

1968 **Mesenteric Vasoconstriction in Cardiogenic Shock in Pigs**
P.M. REILLY, S. MACGOWAN, M. MIYACHI, H.J. SCHILLER, S. VICKERS, AND G.B. BULKLEY

1980 **The Risk of Upper Gastrointestinal Cancer in Familial Adenomatous Polyposis**
G.J.A. OFFERHAUS, F.M. GIARDIELLO, A.J. KRUSH, S.V. BOOKER, A.C. TERSMETTE, N.C. KELLEY, AND S.R. HAMILTON

1983 **c-Ki-*ras* Mutations in Dysplastic Fields and Cancers in Ulcerative Colitis**
J. CHEN, C. COMPTON, E. CHENG, F. FROMOWITZ, AND M.V. VIOLA

1988 **Jejunal Toxin Inactivation Regulates Susceptibility of the Immature Rat to ST_a**
M.B. COHEN AND R.A. GIANNELLA

1997 **High-Affinity Binding Is Essential for Enhancement of Intestinal Fe^{2+} and Ca^{2+} Uptake by Bile Salts**
A.J. SANYAL, J.I. HIRSCH, AND E.W. MOORE

2006 **Soluble Interleukin 2 and CD8 and CD4 Receptors in Inflammatory Bowel Disease**
T. MATSUURA, G.A. WEST, J.S. KLEIN, L. FERRARIS, AND C. FIOCCHI

LIVER, PANCREAS, AND BILIARY TRACT

2015 **Lymphocyte β_2-Adrenoceptors and Plasma Catecholamines in Patients With Cirrhosis**
J.C. GARCÍA-PAGÁN, M. NAVASA, F. RIVERA, J. BOSCH, AND J. RODÉS

2024 **Monensin Action on the Golgi Complex in Perfused Rat Liver: Evidence Against Bile Salt Vesicular Transport**
M.O. REYNIER, I.A. HASHIEH, C. CROTTE, N. CARBUCCIA, B. RICHARD, AND A. GÉROLAMI

2033 **Mechanism of Insulin Resistance Associated With Liver Cirrhosis**
M.J. MÜLLER, O. WILLMANN, A. RIEGER. A. FENK, O. SELBERG, H.U. LAUTZ, M. BÜRGER, H.J. BALKS, A. VON ZUR MÜHLEN, AND F.W. SCHMIDT

2042 **Lithotripsy Plus Ursodiol Is Superior to Ursodiol Alone for Cholesterol Gallstones**
G.S. TINT, H. DYRSZKA, B. SANGHAVI, G. PATEL, S. PATEL, S. SHEFER, AND G. SALEN

2050 **Liver Pathology in Genetic Hemochromatosis: A Review of 135 Homozygous Cases and Their Bioclinical Correlations**
Y.M. DEUGNIER, O. LORÉAL, B. TURLIN, D. GUYADER, H. JOUANOLLE, R. MOIRAND, C. JACQUELINET, AND P. BRISSOT

2060 **Portal Hypertensive Gastropathy in Patients With Cirrhosis**
T. IWAO, A. TOYONAGA, M. SUMINO, K. TAKAGI, K. OHO, M. NISHIZONO, K. OHKUBO, R. INOUE, E. SASAKI, AND K. TANIKAWA

2066 **Sequence of Morphological and Hemodynamic Changes of Gastric Microvessels in Portal Hypertension**
A. ALBILLOS, L.A. COLOMBATO, R. ENRIQUEZ, O.C. NG, E. SIKULER, AND R.J. GROSZMANN

2071 **Effect of Oral Erythromycin on Gallbladder Motility in Normal Subjects and Subjects With Gallstones**
S.M. CATNACH, P.D. FAIRCLOUGH, R.C. TREMBATH, L.J.D. O'DONNELL, A.M. MCLEAN, P.A. LAW, AND J.E.A. WICKHAM

2077 **Effects of Long-Term Rifampicin Administration in Primary Biliary Cirrhosis**
L. BACHS, A. PARÉS, M. ELENA, C. PIERA, AND J. RODÉS

2081 **Histopathology of Membranous Obstruction of the Inferior Vena Cava in the Budd–Chiari Syndrome**
M. KAGE, M. ARAKAWA, M. KOJIRO, AND K. OKUDA

2091 **A Controlled Trial of Interferon With or Without Prednisone Priming for Chronic Hepatitis B**
A.S.F. LOK, P.-C. WU, C.-L. LAI, J.Y.N. LAU, E.K.Y. LEUNG, L.S.K. WONG, O.C.K. MA, I.J. LAUDER, C.P.L. NG, AND H.-T. CHUNG

2098 **Glycine Cytoprotection During Lethal Hepatocellular Injury From Adenosine Triphosphate Depletion**
R.C. DICKSON, S.F. BRONK, AND G.J. GORES

2108 **Measurements of Iron Status in Patients With Chronic Hepatitis**
A.M. DI BISCEGLIE, C.A. AXIOTIS, J.H. HOOFNAGLE, AND B.R. BACON

2114 **Mineralocorticoid Escape in Patients With Compensated Cirrhosis and Portal Hypertension**
G. LA VILLA, J.M. SALMERÓN, V. ARROYO, J. BOSCH, P. GINÉS, J.C. GARCÍA-PAGÁN, A. GINÉS, M. ASBERT, W. JIMÉNEZ, F. RIVERA, AND J. RODÉS

2120 **Biotin Transport in Human Liver Basolateral Membrane Vesicles: A Carrier-Mediated, Na^+ Gradient–Dependent Process**
H.M. SAID, J. HOEFS, R. MOHAMMADKHANI, AND D.W. HORNE

2126 **Intrahepatic Bile Duct Loss in Biliary Atresia Despite Portoenterostomy: A Consequence of Ongoing Obstruction?**
G.W. NIETGEN, J.P. VACANTI, AND A.R. PEREZ-ATAYDE

2134 **Papillary Bile Duct Dysplasia in Primary Sclerosing Cholangitis**
J. LUDWIG, H.E. WAHLSTROM, K.P. BATTS, AND R.H. WIESNER

CASE REPORTS

2139 **Vitamin E Deficiency and Impaired Cellular Immunity Related to Intestinal Fat Malabsorption**
K.V. KOWDLEY, J.B. MASON, S.N. MEYDANI, S. CORNWALL, AND R.J. GRAND

2143 **Resolution of Radiographic Abnormalities With Ursodeoxycholic Acid Therapy of Primary Sclerosing Cholangitis**
E. LEBOVICS, M. SALAMA, A. ELHOSSEINY, AND W.S. ROSENTHAL

2148 **Prolonged Cholestasis Due to Trimethoprim Sulfamethoxazole**
K.V. KOWDLEY, E.B. KEEFFE, AND K.A. FAWAZ

2151 **Pancreatic Stone Predominantly Composed of Fatty Acid Calcium**
M. KITAGAWA, T. HAYAKAWA, T. KONDO, T. SHIBATA, Y. SAKAI, H. SOBAJIMA, H. ISHIGURO, M. TANIKAWA, Y. NAKAE, Y. NIMURA, J.-I. KAMIYA, S. KONDO, AND A. YASUI

BRIEF REPORTS

2155 **Development of Thyroid Disease During Therapy of Chronic Viral Hepatitis With Interferon Alfa**
M. LISKER-MELMAN, A.M. DI BISCEGLIE, S.J. USALA, B. WEINTRAUB, L.M. MURRAY, AND J.H. HOOFNAGLE

EDITORIALS

2161 **Primary Sclerosing Cholangitis and Ulcerative Colitis: Potential Cofactors in the Dysplasia Sequence**
S. HANAUER

2163 **Can Diarrhea Cause Secondary Steatorrhea?**
A.D. NEWCOMER

2164 **Ocular Complications of Steroid Use in Pediatric Patients—A Lesson for Gastroenterologists**
D. GOLDMAN

2165 **Peripheral Arterial Vasodilation in Cirrhosis and Impaired Mineralocorticoid Escape**
R.W. SCHRIER

2168 **A Historical Perspective of Gastrointestinal Endocrinology—The New Age of Molecular Receptorology**
L.J. MILLER

SELECTED SUMMARIES

2171 **Familial Adenomatous Polyposis and Colorectal Cancer: One Gene or Two Genes?**

2172 **Further Improvements in the Surgical Treatment of Severe Chronic Constipation**

2174 **Rapid Induction of Gluconeogenesis During Fasting**

2175 **Extrahepatic Metabolic Consequences of Cirrhosis**

2177 **Cytokine Inhibition of Gastric Acid Secretion—A Little Goes a Long Way**

2179 **BOOK REVIEWS**

CORRESPONDENCE

2181 Quality of Life and Proctocolectomy

2181 Gastric Secretion in Normal Subjects

2182 Basal Acid Output in Gastroesophageal Reflux Disease

2183 C4BQ0 as a Marker of Genetic Predisposition to Liver Cirrhosis

2185 Suprahepatic Inferior Vena Cava Ligation to Treat Portal Hypertension?

2186 Nutritional Support in Alcoholic Liver Disease—Losing Control(s)?

2187 Prophylactic Sclerotherapy: Meta-analysis Versus 'Aggregate' Analysis

2188 Microlithiasis and Cholesterolosis in 'Idiopathic' Acute Pancreatitis

2190 Polyethylene Glycol 900: Useful Marker Rather Than Notable Exception

2192 Bismuth Absorption From the Stomach and Small Intestine

2193 Intestinal Lymphangiectasia and Antiplasmin Therapy

2194 NOTICES

2195 AUTHOR INDEX

2212 SUBJECT INDEX